

## LISTING OF THE CLAIMS

The following listing, if entered, replaces all prior versions of the claims in the present application.

1. (Currently Amended) A method comprising:  
migrating a Cartesian coordinate-based view to a tag field-based view,  
wherein  
the Cartesian coordinate-based view and the tag field-based view are  
user interfaces for presenting the same information, and  
said migrating comprises  
 selecting a tag field-based view ~~from a plurality of tag field-~~  
~~based views,~~ wherein  
 the selected tag field-based view comprises one or more  
 applets, and  
~~a view is a user interface for presentation of data, and~~  
~~each of the plurality of selected~~ tag field-based view is  
 configured to serve as a model for converting a  
~~corresponding the~~ Cartesian coordinate-based  
 view into the tag-field based view, ~~and~~  
~~migrating a Cartesian coordinate-based view to the selected tag~~  
~~field-based view, wherein the migrating comprises~~  
 identifying a first applet of the one or more applets, wherein  
 the first applet comprises one or more controls,  
 associating ~~a first applet template with~~ the first applet with a tag  
field-based template for the first applet, wherein  
 the tag field-based template for the first applet ~~template~~  
 comprises one or more characteristics of each of the  
 one or more controls, and  
the tag field-based template for the first applet is  
configured to serve as a model for converting a  
Cartesian view applet in the Cartesian

coordinate-based view to a corresponding tag-  
field based applet,  
~~linking-associating~~ the tag field-based template for the first  
 applet ~~template~~ to a corresponding first Cartesian view  
 applet in the Cartesian coordinate-based view, wherein  
 the first Cartesian view applet comprises a Cartesian view  
 control,  
~~modifying~~ converting the Cartesian view control to produce a  
 corresponding tag field-based view control, wherein  
 said ~~modifying~~ converting matches the Cartesian view  
control with characteristics of ~~an-associated~~  
~~control of~~ the one or more controls in the tag field-  
based template for the first applet ~~template~~,  
 mapping the corresponding tag field-based view control to the  
 selected tag field-based view, ~~wherein~~  
~~the Cartesian coordinate-based view and the selected~~  
~~tag field-based view are each configured to~~  
~~provide user interfaces that display the same~~  
~~data.~~

2. (Canceled)
3. (Previously Presented) The method of claim 1 wherein at least one of the controls is a field control.
4. (Previously Presented) The method of claim 1 wherein at least one of the controls is a non-field control.
5. (Previously Presented) The method of claim 1 further comprising:  
mapping the one or more controls to specific sequence numbers.
6. (Original) The method of claim 5 wherein at least one of the controls is a field control.

7. (Original) The method of claim 5 wherein at least one of the controls is a non-field control.
8. (Previously Presented) The method of claim 1 further comprising:  
mapping the first applet to a specific sequence number.
9. (Original) The method of claim 8 wherein at least one of the controls is a field control.
10. (Original) The method of claim 8 wherein at least one of the controls is a non-field control.
11. (Currently Amended) The method of claim 1 further comprising:  
adding an added control to the **tag field-based template for the** first applet  
**template.**
12. (Previously Presented) The method of claim 11 wherein the added control is a field control.
13. (Previously Presented) The method of claim 11 wherein the added control is a non-field control.
14. (Currently Amended) The method of claim 1 further comprising:  
deleting a deleted control from the **tag field-based template for the** first applet  
**template.**
15. (Previously Presented) The method of claim 14 wherein the deleted control is a field control.
16. (Previously Presented) The method of claim 14 wherein the deleted control is a non-field control.

17. (Previously Presented) The method of claim 1 further comprising:  
providing one or more model views for a user to select from, wherein one or more  
selected model views correspond to the Cartesian coordinate-based view.
18. (Original) The method of claim 17 wherein at least one of the controls is a  
field control.
19. (Original) The method of claim 17 wherein at least one of the controls is a  
non-field control.
20. (Currently Amended) A computer system comprising:  
a processor;  
a computer readable medium coupled to the processor; and  
computer code, encoded in the computer readable medium, configured to cause  
the processor to:  
**migrate a Cartesian coordinate-based view to a tag field-based view,**  
**wherein**  
**the Cartesian coordinate-based view and the tag field-based**  
**view are user interfaces for presenting the same**  
**information,**  
select a tag field-based view ~~from a plurality of tag field-based views,~~  
wherein  
the selected tag field-based view comprises one or more  
applets, **and**  
~~a view is a user interface for presentation of data, and~~  
~~each of the plurality of selected~~ tag field-based view is  
configured to serve as a model for converting a  
~~corresponding the~~ Cartesian coordinate-based  
view **into the tag-field based view, and**  
~~migrate a Cartesian coordinate-based view to the selected tag field-~~  
~~based view, wherein the computer code is configured to cause~~  
~~the processor to perform the migration by virtue of being~~  
~~configured to cause the processor to~~

identify a first applet of the one or more applets, wherein  
 the first applet comprises one or more controls,  
 associate ~~a first applet template with~~ the first applet with a tag field-  
based template for the first applet, wherein  
 the tag field-based template for the first applet ~~template~~  
 comprises one or more characteristics of each of the  
 one or more controls, and  
the tag field-based template for the first applet is  
configured to serve as a model for converting a  
Cartesian view applet in the Cartesian  
coordinate-based view to a corresponding tag-  
field based applet,  
~~link-associate~~ the tag field-based template for the first applet ~~template~~  
 to a corresponding first Cartesian view applet in the Cartesian  
 coordinate-based view, wherein  
 the first Cartesian view applet comprises a Cartesian view control,  
~~modify-convert~~ the Cartesian view control to produce a corresponding tag  
field-based view control, wherein  
~~modifying-converting~~ the Cartesian view control matches  
 characteristics of ~~an associated control of~~ the one or more  
 controls in the tag field-based template for the first applet  
template,  
 map the corresponding tag field-based view control to the selected tag  
 field-based view, ~~wherein~~  
~~the Cartesian coordinate-based view and the selected tag field-~~  
~~based view are each configured to provide user~~  
~~interfaces that display the same data.~~

21. (Canceled)

22. (Previously Presented) The computer system of claim 20 wherein at least one of the controls is a field control.

23. (Previously Presented) The computer system of claim 20 wherein at least one of the controls is a non-field control.

24. (Previously Presented) The computer system of claim 20 wherein the processor is further configured to:

map the one or more controls to specific sequence numbers.

25. (Original) The computer system of claim 24 wherein at least one of the controls is a field control.

26. (Original) The computer system of claim 24 wherein at least one of the controls is a non-field control.

27. (Previously Presented) The computer system of claim 20 wherein the processor is further configured to:

map the first applet to a specific sequence number.

28. (Original) The computer system of claim 27 wherein at least one of the controls is a field control.

29. (Original) The computer system of claim 27 wherein at least one of the controls is a non-field control.

30. (Currently Amended) The computer system of claim 20 wherein an added control is added to the **tag field-based template for the** first applet-~~template~~.

31. (Previously Presented) The computer system of claim 30 wherein the added control is a field control.

32. (Previously Presented) The computer system of claim 30 wherein the added is a non-field control.

33. (Currently Amended) The computer system of claim 20 wherein a deleted control is deleted from the tag field-based template for the first applet ~~template.~~

34. (Previously Presented) The computer system of claim 33 wherein the deleted control is a field control.

35. (Previously Presented) The computer system of claim 33 wherein the deleted control is a non-field control.

36. (Previously Presented) The computer system of claim 20 wherein the processor is further configured to:

provide one or more model views for a user to select from, wherein one or more selected model views correspond to the Cartesian coordinate-based view

37. (Original) The computer system of claim 36 wherein at least one of the controls is a field control.

38. (Original) The computer system of claim 36 wherein at least one of the controls is a non-field control.

39. (Currently Amended) An apparatus comprising:

means for migrating a Cartesian coordinate-based view to a tag field-based view, wherein

the Cartesian coordinate-based view and the tag field-based view are user interfaces for presenting the same information, and  
said means for migrating comprises

means for selecting a tag field-based view ~~from a plurality of tag~~

~~field-based views~~, wherein

the selected tag field-based view comprises one or more

applets, and

~~a view is a user interface for presentation of data, and~~

~~each of the plurality of selected~~ tag field-based view is configured to serve as a model for converting a ~~corresponding the~~ Cartesian coordinate-based view into the tag-field based view; and

~~means for migrating a Cartesian coordinate-based view to the selected tag field-based view, wherein the means for migrating comprises~~

means for identifying a first applet of the one or more applets, wherein

the first applet comprises one or more controls,

means for associating ~~a first applet template with~~ the first applet with a tag field-based template for the first applet, wherein

the tag field-based template for the first applet template comprises one or more characteristics of each of the one or more controls, and

the tag field-based template for the first applet is configured to serve as a model for converting a Cartesian view applet in the Cartesian coordinate-based view to a corresponding tag-field based applet,

means for ~~linking associating~~ the tag field-based template for the first applet template to a corresponding first Cartesian view applet in the Cartesian coordinate-based view, wherein

the first Cartesian view applet comprises a Cartesian view control,

means for ~~modifying converting~~ the Cartesian view control to produce a corresponding tag field-based view control, wherein

said ~~modifying converting~~ matches the Cartesian view control with characteristics of ~~an associated~~



~~control~~ of the one or more controls in the tag field-based template for the first applet ~~template~~, means for mapping the corresponding tag field-based view control to the selected tag field-based view, ~~wherein the Cartesian coordinate-based view and the selected tag field-based view are each configured to provide user interfaces that display the same data.~~

40. (Canceled)

41. (Previously Presented) The apparatus of claim 39 wherein at least one of the controls is a field control.

42. (Previously Presented) The apparatus of claim 39 wherein at least one of the controls is a non-field control.

43. (Previously Presented) The apparatus of claim 39 further comprising: means for mapping the one or more controls to specific sequence numbers.

44. (Original) The apparatus of claim 43 wherein at least one of the controls is a field control.

45. (Original) The apparatus of claim 43 wherein at least one of the controls is a non-field control.

46. (Previously Presented) The apparatus of claim 39 further comprising: means for mapping the first applet to a specific sequence number.

47. (Original) The apparatus of claim 46 wherein at least one of the controls is a field control.

48. (Previously Presented) The apparatus of claim 46 wherein at least one of the controls is a non-field control.

49. (Currently Amended) The apparatus of claim 39 further comprising:  
means for adding an added control to the tag field-based template for the first  
applet.
50. (Previously Presented) The apparatus of claim 49 wherein the added  
control is a field control.
51. (Previously Presented) The apparatus of claim 49 wherein the added  
control is a non-field control.
52. (Currently Amended) The apparatus of claim 39 further comprising:  
means for deleting a deleted control from the tag field-based template for the  
first applet.
53. (Previously Presented) The apparatus of claim 52 wherein the deleted  
control is a field control.
54. (Previously Presented) The apparatus of claim 52 wherein the deleted  
control is a non-field control.
55. (Previously Presented) The apparatus of claim 39 further comprising:  
means for providing one or more model views for a user to select from, wherein  
one or more selected model views correspond to the Cartesian coordinate-  
based view.
56. (Original) The apparatus of claim 55 wherein at least one of the controls  
is a field control.
57. (Previously Presented) The apparatus of claim 55 wherein at least one of  
the controls is a non-field control.

58. (Currently Amended) A computer program product, encoded in computer readable media, comprising:

- a first set of instructions, executable on a computer system, configured to migrate a Cartesian coordinate-based view to a tag field-based view, wherein Cartesian coordinate-based view and the tag field-based view are user interfaces for presenting the same information, and the first set of instructions comprises
  - a first subset of instructions, executable on the computer system, configured to select a tag field-based view ~~from a plurality of tag field-based views~~, wherein the selected tag field-based view comprises one or more applets,
    - ~~a view is a user interface for presentation of data~~, and
    - ~~each of the plurality of selected~~ tag field-based view is configured to serve as a model for converting a ~~corresponding the~~ Cartesian coordinate-based view into the tag-field based view, ~~and~~
  - ~~a second set of instructions, executable on the computer system, configured to migrate a Cartesian coordinate-based view to the selected tag field-based view, wherein the second set of instructions comprises~~
  - a ~~third~~ second subset of instructions, executable on the computer system, configured to identify a first applet of the one or more applets, wherein the first applet is comprised of one or more controls,
  - a ~~fourth~~ third subset of instructions, executable on the computer system, configured to associate ~~a first applet template with the first applet~~ with a tag field-based template for the first applet, wherein the tag field-based template for the first applet ~~template~~ comprises one or more characteristics of each of the one or more controls, and

the tag field-based template for the first applet is  
configured to serve as a model for converting a  
Cartesian view applet in the Cartesian  
coordinate-based view to a corresponding tag-  
field based applet,

a ~~fifth~~ fourth subset of instructions, executable on the computer system, configured to ~~link-associate~~ the tag field-based template for the first applet ~~template~~ to a corresponding first Cartesian view applet in the Cartesian coordinate-based view, wherein the first Cartesian coordinate-based view applet comprises a Cartesian view control,

a ~~sixth~~ fifth subset of instructions, executable on the computer system, configured to ~~modify-convert~~ the Cartesian view control to produce a corresponding tag field-based view control, wherein said ~~modifying~~ converting matches the Cartesian view control with characteristics of ~~an-associated~~ ~~control-of~~ the one or more controls in the tag field-based template for the first applet ~~template~~,

a ~~seventh~~ sixth subset of instructions, executable on the computer system, configured to map the corresponding tag field-based view control to the selected tag field-based view; ~~and wherein the Cartesian coordinate-based view and the selected tag field-based view are each configured to provide user interfaces that display the same data.~~

59. (Canceled)

60. (Previously Presented) The computer program product of claim 58 wherein at least one of the controls is a field control.

61. (Previously Presented) The computer program product of claim 58 wherein at least one of the controls is a non-field control.
62. (Currently Amended) The computer program product of claim 58 further comprising:  
**an eighth a seventh subset** of instructions, executable on the computer system, configured to map the one or more controls to specific sequence numbers.
63. (Original) The computer program product of claim 62 wherein at least one of the controls is a field control.
64. (Original) The computer program product of claim 62 wherein at least one of the controls is a non-field control.
65. (Currently Amended) The computer program product of claim 58 further comprising:  
a **ninth seventh subset** of instructions, executable on the computer system, configured to map the first applet to a specific sequence number.
66. (Original) The computer program product of claim 65 wherein at least one of the controls is a field control.
67. (Original) The computer program product of claim 65 wherein at least one of the controls is a non-field control.
68. (Currently Amended) The computer program product of claim 58 further comprising:  
a **tenth seventh subset** of instructions, executable on the computer system, configured to add an added control to the **tag field-based** template **for the first applet**.
69. (Previously Presented) The computer program product of claim 68 wherein the added control is a field control.

70. (Previously Presented) The computer program product of claim 68 wherein the added control is a non-field control.

71. (Currently Amended) The computer program product of claim 58 further comprising:

~~an eleventh~~ a seventh subset of instructions, executable on the computer system, configured to delete a deleted control from the tag field-based template for the first applet.

72. (Previously Presented) The computer program product of claim 71 wherein the deleted control is a field control.

73. (Previously Presented) The computer program product of claim 71 wherein the deleted control is a non-field control.

74. (Currently Amended) The computer program product of claim 58 further comprising:

a ~~twelfth~~ seventh subset of instructions, executable on the computer system, configured to provide one or more model views for a user to select from, wherein one or more selected model views correspond to the Cartesian coordinate-based view.

75. (Original) The computer program product of claim 74 wherein at least one of the controls is a field control.

76. (Original) The computer program product of claim 74 wherein at least one of the controls is a non-field control.

77. (Cancelled)